

**TABLE 12-61**  
**HAZARD QUOTIENTS FOR ANALYTES DETECTED IN TISSUE**  
**FINFISH - TIDAL FLATS**

**REMEDIAL INVESTIGATION REPORT**  
**STRATFORD ARMY ENGINE PLANT**  
**STRATFORD, CONNECTICUT**

CAS NUMBER	CHEMICAL	DETECTION FREQUENCY	UNITS	RME (1) CONCENTRATION	CT (2) CONCENTRATION	BACKGROUND VALUE (4)	SCREENING TOXICITY VALUE (3) MG/KG	HAZARD QUOTIENTS		
								RME (1)	CT (2)	BACKGROUND
<b>Inorganics/Metals</b>										
7429-90-5	Aluminum	2/ 2	mg/kg	20.4	13.2	30.1	1	20.4	13.2	30.1
7440-43-9	Cadmium	1/ 2	mg/kg	0.05	0.0375	0.03	0.026	1.92	1.44	1.15
7440-70-2	Calcium	2/ 2	mg/kg	10100	8525	7396	NA			
7440-47-3	Chromium	2/ 2	mg/kg	0.61	0.49	0.612	2.3	0.27	0.21	0.27
7440-50-8	Copper	2/ 2	mg/kg	3.7	2.55	3.38	1.6	2.31	1.59	2.11
7439-89-6	Iron	2/ 2	mg/kg	53.9	36.6	75.72	NA			
7439-92-1	Lead	2/ 2	mg/kg	0.65	0.59	0.684	1.6	0.41	0.37	0.43
7439-95-4	Magnesium	2/ 2	mg/kg	533	474.5	494.8	NA			
7439-96-5	Manganese	2/ 2	mg/kg	8.8	5.35	3.6	15.5	0.57	0.35	0.23
7440-02-0	Nickel	2/ 2	mg/kg	0.49	0.385	0.2	0.59	0.83	0.65	0.34
7440-09-7	Potassium	2/ 2	mg/kg	3050	2890	3038	NA			
7782-49-2	Selenium	2/ 2	mg/kg	0.85	0.785	0.782	0.08	10.63	9.81	9.78
7440-23-5	Sodium	2/ 2	mg/kg	1200	1175	999.3	NA			
7440-66-6	Zinc	2/ 2	mg/kg	40.4	36.05	31.42	0.28	144	128.8	112.2
<b>Pest/PCBs</b>										
12672-29-6	Aroclor-1248	1/ 2	mg/kg	0.046	0.026	ND	2.8	0.0164	0.0093	
11097-69-1	Aroclor-1254	2/ 2	mg/kg	0.14	0.13	0.089	0.3	0.54	0.50	0.34
11096-82-5	Aroclor-1260	2/ 2	mg/kg	0.15	0.111	0.0658	0.4	0.42	0.31	0.18
<b>Miscellaneous</b>										
HLA0049	Lipid	2/ 2	Percent	150	111	64.4	NA			

(1) Lowest of maximum or 95% UCL concentration detected in exposure area.

(2) Arithmetic mean concentration, calcualted using 1/2 the detection limit for non-detects

(3) Screening toxicity values presented in Table 12-39.

(4) Background values are presented in Table 12-29; the background concentration is equal to the lesser of average or maximum detected concentrations in the Reference Area.

Shaded Hazard Quotients = Hazard Quotients greater than 1 and greater than Background.